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DIALOG(R)File 351:Derwent WPI

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Heat adhesive hollow conjugate fibre - has low m.pt. sheath and high m.pt. core, for bulky nonwoven fabric mfr

Patent Assignee: TOYOBO KK (TOYM )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP:3069614	A	19910326	JP 89153162	A	19890615	199118 B
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Priority Applications (No Type Date): JP 89153162 A 19890615

Abstract (Basic): JP 3069614 A

The conjugate fibre consists of (a) sheath component with relatively low m.pt. and (b) core component with relatively high m.pt. The cavity wall is composed partially of the sheath component and partially of the core component; and sheath /core gravimetric ratio and cavity percentage of the hollow conjugate fibre are respectively 20/80-70/30 and 5-50%.

The sheath is made e.g. of copolyester (terephthalate/isophthalate ratio 60/40, intrinsic viscosity 0.61, m.pt. 126 deg. C), while the core is made typically of polyethylene terephthalate (intrinsic viscosity 0.63, m.pt. 259 deg. C).

USE/ADVANTAGE - The conjugate fibre is used for producing bulky heat-bonded nonwoven fabrics. It has improved latent crispiness combined with sufficient heat adhesive property and gives nonwoven fabrics having improved bulkiness, elastic resiliency and mechanical strength.

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Derwent Class: A23; A94; F01; F04

International Patent Class (Additional): D01F-008/04 ; D04H-001/54